TINTING and MIXING CHART

for Pure White, Clear Colors
Flat Tints and Shades



THE CHARLES OSGOOD CO.

Drugs and Paints
45 and 47 Commerce St., Norwich, Conn.



Save Time with

EAGLE Soft Paste WHITE LEAD



Interior Color Suggestions

All formulae shown in this chart are based on the amount of standard high grade color needed to each 100 pounds of Eagle White Lead in Oil. Before tinting be sure to read instructions on page 5.

For quantities of liquids needed	see pages 7-10.
IVORY 12½ oz. Raw Sienna LIGHT BUFF 6¼ lbs. French Yellow Ochre 12½ oz. Deep Chrome Yellow	CREAM 25 oz. Raw Sienna NEUTRAL BROWN 4 lbs11 oz. Raw Sienna 37½ oz. Vandyke Brown 12½ oz. Venetian Red
DEEP DRAB 4 lbs11 oz. Raw Sienna APRICOT 12½ oz. Medium Chrome Yellow 6¼ lbs. Deep Chrome Yellow	ORCHID 61/4 oz. American Vermilion ROSE TAUPE 25 oz. Vandyke Brown 121/4 oz. Venetian Red
SHELL PINK 25 oz. Orange Chrome Yellow TERRA COTTA 3½ lbs. American Vermilion 3 lbs14½ oz. Deep Chrome Yellow 25 oz. Raw Umber	LILAC 12½ oz. Rose Lake LAVENDER 25 oz. Tuscan Red 6¼ oz. Prussian Blue
PEWTER GRAY 1½ oz. Lamp Black 6¼ oz. Raw Umber MEDIUM GRAY 6¼ oz. Lamp Black	PRIMROSE 25 oz. Chrome Yellow (No. 1, Light or Lemon) AZURE BLUE 6¼ oz. Prussian Blue
5 LIGHT GRAY 3 1/4 oz. of Lamp Black PEA GREEN 37 1/2 oz. Light Chrome Green 18 3/4 oz. Raw Sienna	OLD ROSE 25 oz. Burnt Sienna 12½ oz. Tuscan Red CORNFLOWER BLUE 37½ oz. Prussian Blue 25 oz. Tuscan Red
LIGHT SAGE GREEN 37½ oz. light Chrome Green	SILVER GRAY

[1]

SAGE GREEN 4 lbs.-11 oz. Light Chrome Green

25 oz. Raw Sienna

25 oz. Raw Umber

121/2 oz. Vandyke Brown

25 oz. Lamp Black

DELFT BLUE

3 lbs.-141/2 oz. Prussian Blue

Eagle White Lead Interior Color Suggestions



See inside back cover for exterior color suggestions

Interior Color Suggestions

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SHELL PINK 25 oz. Orange Chrome Yellow TERRA COTTA 31/6 lbs. American Vermilion 3 lbs141/2 oz. Deep Chrome Yellow 25 oz. Raw Umber	LILAC 12½ oz. Rose Lake Constant Lavender 25 oz. Tuscan Red 6¼ oz. Prussian Blue			
PEWTER GRAY 1½ oz. Lamp Black 6¼ oz. Raw Umber MEDIUM GRAY 6¼ oz. Lamp Black	PRIMROSE 25 oz. Chrome Yellow (No. 1, Light or Lemon) AZURE BLUE 61/4 oz. Prussian Blue			
LIGHT GRAY 31/8 oz. of Lamp Black PEA GREEN 371/2 oz. Light Chrome Green 183/4 oz. Raw Sienna	OLD ROSE 25 oz. Burnt Sienna 12½ oz. Tuscan Red CORNFLOWER BLUE 37½ oz. Prussian Blue 25 oz. Tuscan Red			
LIGHT SAGE GREEN 37½ oz. light Chrome Green SAGE GREEN 4 lbs11 oz. Light Chrome Green	SILVER GRAY 12½ oz. Vandyke Brown DELFT BLUE			

3 lbs.-141/2 oz. Prussian Blue

25 oz. Lamp Black

25 oz. Raw Sienna

25 oz. Raw Umber

Estimating the Quantity of Paint Needed

To find the number of square feet to be painted, measure (in feet) the total distance around the house and multiply by the height of the corner boards. This will give you the number of square feet in the body. Do not take off anything for doors or windows for this will generally be offset by the edges of the weather-boarding and by doors and window frames.

To find the area of the gables multiply the width of the base in feet by one-half of the height. Be sure to allow for the eaves, cornices, etc., and for porch floors, steps, and ceilings. The same general rule will apply to interior surfaces.

On a fair, old surface a gallon of lead paint will spread over approximately 600 square feet, one coat. This will give you a basis upon which to do

your estimating. To find the number of gallons of paint required, divide the total number of square feet to be painted by 550, 600 or 650, according to the condition of the surface. The result will give you the number of gallons of paint you should need for one coat.

If the wood is porous it will require more paint than if it is hard and smooth. A gallon of paint will cover more surface on smooth wood than on rough wood, brick or concrete. A great deal depends upon how much you brush out the paint.

Refer to the paint formulae shown on pages 7-10 of this chart for the type of work you are painting, to find out how much Eagle White Lead, linseed oil, drier or turpentine you will need to produce the necessary quantity of paint.

Preparing the Surface

A DRY SURFACE NECESSARY

Any surface to be painted should be thoroughly dry. If it is wet when painted the moisture in the lumber will be drawn out by the sun and cause the paint to blister. If there is dew or frost on the surface it will spoil the job. Green, unseasoned lumber contains moisture and will cause paint to blister.

Remove Loose Cracked Paint

On a repaint job all the loose paint should be removed. This is commonly done by going over the surface with a broad scraping knife and then sand-papering down the rough edges. Be sure to get off all the paint which is not firmly adhered to the surface and sand-

paper any rough spots. Dust and dirt, if not removed, will mix with the paint and discolor it, therefore, go over the entire surface with a painter's duster brush, being especially careful of the tops of the window and door frames. Grease, wax or oil spots should be removed; paint will not adhere to such places.

When old paint has cracked and scaled generally over the surface, you may safely expect it to continue to come off, regardless of what paint you put on top of it. If this is the case, all the paint should be burned or scraped off down to the bare wood so that the new paint can anchor itself in the pores of the wood. All paint wears out sometime. It may wear off or chalk gradually, leaving the

surface in perfect condition for repainting. If the paint is hard and brittle, it will crack and scale off, necessitating additional expense for burning and scraping. Pure Eagle White Lead in Oil instead of cracking and scaling, will leave a perfect surface for repainting. This is one of the many reasons why it is best to apply Eagle Pure White Lead over surfaces which have been thoroughly cleaned.

POROUS SPOTS

Where old paint is badly worn there will probably be found some porous spots that will absorb oil freely. You will have no trouble in recognizing these spots by their dead flat appearance when the first coat of paint is dry. Give them an extra coat of oil or another coat of paint a day or two before you apply the second coat to seal up the pores.

SAPPY SPOTS

Any sappy streaks or knots should be coated with orange shellac to prevent the sap coming through the paint. This should be done before the first coat is applied. Knots and sap streaks in hard pine which are excessively loaded with pitch ought to be burned over with a gasoline blow torch to draw out some of the pitch before shellacking.

Eagle White Lead in Oil is ideal for Tiffany, mottling, stippling and other glaze finishes in vogue. For the best results in this work it is essential that white lead be used for priming and stippled ground coats.

Tinting Eagle White Lead

One of the many advantages of Eagle White Lead is that it may be tinted any color. No need to accept some standard tint or shade used by others. Use high grade colors ground in oil for tinting as they produce clear, sharp tints and shades. Cheap tinting colors make muddy hues and a greater quantity is needed to produce a given color.

Mix, in a separate container, tinting colors with turpentine or oil until brought to the consistency of the paint, then strain the color and add it to the lead slowly before the paint is strained. Better too little color than too much, because later the final straining of the white lead paint breaks up the color and intensifies the tint or shade of the paint.

The formulae given in this pamphlet will not always result in the exact tone shown by the color chips, as tinting colors differ greatly in strength. It is suggested that in tinting Eagle White Lead the color be added gradually and that the mixer satisfy himself as to when the desired shade is reached. All formulae shown in this chart are based on the amount of standard high grade tinting color needed to each 100 pounds of Eagle White Lead in Oil used, except where otherwise specified.

To test for color match, it is well to brush the paint out on a board. Paint always looks darker in the pot than it does when spread out on the surface. Always mix enough paint for at least one coat for entire surface in one batch, or accurately weigh materials and record the quantities so you can duplicate the color. Unless you are accustomed to matching colors you should follow the first suggestion.

For the Greater Convenience of the Master Painter

Eagle Soft Paste is a soft, creamy white lead, "broken up" at our plants to shop-lead consistency.

Easy to use

Because Eagle Soft Paste contains twice as much linseed oil as our regular grinding, it may be sent out on the job in the original cans—unopened—ready to be

thinned quickly and easily for painting.

Any kind of work

Like our regular grinding, Eagle Soft Paste is suitable for all types of painting . . . all kinds of finishes. When Eagle Soft Paste is thinned with turpentine only, a flat finish is produced which has just the faintest suggestion of a gloss. For dead-flat effects, the oil may be readily

"drawn" and the lead thinned to painting consistency.

Still Old Dutch Process

Both Eagle Soft Paste and

our regular grinding are products of the famous Old Dutch Process of corrosion. It is a long, slow method, taking 90 days; but until another process is discovered which pro-

duces a higher quality white lead, Eagle will be pure Old Dutch Process.

Packed in convenient sizes

Eagle Soft Paste White Lead is packed in 100 lb., 50 lb., 25 lb., and 12½ lb. steel kegs. These packages may be easily identified on the dealer's shelf by the attractive Eagle trade-mark in the center of the label.

Paint Formulae - Soft Paste

The formulae shown below are given to produce a pure white lead paint. The same formulae may be used in mixing colored paints by using them in conjunction with the color formulae shown on pages 1 and 12.

2¾ gallons Raw Linseed Oil 1½ gallons Turpentine

ı pint best Japan Drier

Makes about 7 1/8 gallons. For very light-colored woods 1/2 gallon more of oil may be added.

OLD OUTSIDE WORK

First Coat

pounds Eagle Soft Paste White Lead

quarts Raw Linseed Oil

13/4 gallons Turpentine

ı pint of best Japan Drier

Makes about 6 gals. of white paint

Second Coat

100 pounds Eagle Soft Paste White Lead

2½ gallons Raw Linseed Oil

ı pint Turpentine

ı pint of best Japan Drier

Makes about 6¼ gals, of white paint

NEW OUTSIDE WORK

Priming Coat

100 pounds Eagle Soft Paste White Lead

Second Coat

100 pounds Eagle Soft Paste White Lead

quart Raw Linseed Oil

1 pint best Japan Drier

Makes about 5% gallons. For very light-colored woods 1/4 gallon more of oil may be added

Third Coat

100 pounds Eagle Soft Paste White Lead

 $_2\frac{1}{2}$ gallons Raw Linseed Oil

pint Turpentine

1 pint best Japan Drier

Makes about 6¼ gallons. For very light-colored woods 1 pint more of oil may be added.

OLD INSIDE WORK

First Coat

pounds Eagle Soft Paste
White Lead

11/2 gallons Turpentine

ı pint best Japan Drier

Makes about 51/8 gals, of white paint

Second Coat—Egg Shell

pounds Eagle Soft Paste
White Lead

1½ gallons Turpentine

½ gal. pale or white Enamel Varnish

½ pint best Japan Drier

Makes about $5\frac{1}{2}$ gals. of white paint

Second Coat-Flat

too pounds Eagle Soft Paste White Lead

11/2 gallons Turpentine

pint pale or white Enamel Varnish

½ pint Drier

Makes about 51/8 gals. of white paint

NEW INSIDE WORK

Priming Coat

100 pounds Eagle Soft Paste White Lead 11/2 gallons Raw Linseed Oil

21/2 gallons Turpentine

ı pint best Japan Drier

Makes about 75/8 gals. of white paint

Second Coat

100 pounds Eagle Soft Paste White Lead

13/4 gallons Turpentine

ı pint best Japan Drier

Makes about 53/8 gals. of white paint

Third Coat—Egg Shell or Semi-Flat

100 pounds Eagle Soft Paste White Lead

1½ gallons Turpentine

½ gal. pale or white Enamel Varnish

½ pint Drier

Makes about 5½ gals, of white paint

Third Coat-Flat

100 pounds Eagle Soft Paste White Lead

1 ½ gallons Turpentine

ı pint pale or white Enamel Varnish

½ pint Drier

Makes about 51/8 gals. of white paint

Paint Formulae—Regular Grinding

The formulae shown below are given to produce a pure white lead paint. The same formulae may be used in mixing colored paints by using them in conjunction with the color formulae shown on pages 1 and 12.

OLD OUTSIDE WORK

First Coat

pounds Eagle White Lead

1½-2 gallons Pure Raw Linseed
Oil

2½-2 gallons Pure Turpentine 1-1½ pints best Japan Drier

61/2 gallons of paint

Second Coat

pounds Eagle White Lead 3½-4 gallons Pure Raw Linseed Oil

1/2-1 pint Pure Turpentine
1 pint best Japan Drier

6½-7 gallons of paint

NEW OUTSIDE WORK

Priming Coat

100 pounds Eagle White Lead 4-5 gallons Pure Raw Linseed Oil

1½-1 gallons Pure Turpentine 1½ pints best Japan Drier

8½-9 gallons of paint

Second Coat

100 pounds Eagle White Lead 134 gallons Pure Raw Linseed Oil

1½ gallons Pure Turpentine

ı pint best Japan Drier

61/8 gallons of paint

Third Coat

100 pounds Eagle White Lead 3½-4 gallons Pure Raw Linseed Oil

1/2-1 pint Pure Turpentine

ı pint best Japan Drier

61/4-7 gallons of paint

NEW WOODWORK INSIDE

Priming Coat

100 pounds Eagle White Lead

3 gallons Pure Raw Linseed Oil

gallon Pure Turpentine
July pints best Japan Drier

7 gallons of paint

Second Coat

100 pounds Eagle White Lead 1½ gallons Pure Raw Linseed Oil

11/2 gallons Pure Turpentine

ı pint best Japan Drier

5% gallons paint

Third Coat—Oil Gloss

100 pounds Eagle White Lead 3-3½ gallons Pure Raw Linseed Oil

1 pint Pure Turpentine

pint best Japan Drier

6-61/2 gallons of paint

Third Coat-Flat

100 pounds Eagle White Lead 3-3½ gallons flatting oil or turpentine

53/4-61/4 gallons of paint

OLD WORK INSIDE— WHITE PAINT

First Coat

100 pounds Eagle White Lead

ı gallon Pure Raw Linseed Oil

2-3 gallons Pure Turpentine

ı pint best Japan Drier

53/4-63/4 gallons of paint

Second Coat—Oil Gloss

100 pounds Eagle White Lead 3-3½ gallons Pure Raw Linseed Oil

1 pint Pure Turpentine

ı pint best Japan Drier

6-61/2 gallons of paint

Second Coat—Flat

100 pounds Eagle White Lead 3-3½ gallons flatting oil or turpentine

53/4-61/4 gallons of paint

Painting With Eagle Rust Preventive Pigments

In painting metal surfaces, it is very important that the surface be dry and free from rust, dirt or grease. When painting over old surfaces that have been painted before with a true rust inhibitive paint, if the old paint adheres firmly to the metal it may be regarded as good as sound metal upon which to apply new paint. If the old paint does not adhere well, it should be completely removed by scraping, wire brushing, burning with a torch, or sand papering. Each successive coat of paint can be no better than the weakest coat beneath it.

Eagle Rust Preventive Pigments should be broken up in the same manner as White Lead and mixed by the following formulae:

FORMULAE

Sublimed Blue Lead

100 pounds Sublimed Blue Lead in Oil

- 4 gallons Raw Linseed Oil
- 2 pints Turpentine
- 2 pints best Japan Drier

Important—As stated, not more than 4 gallons of oil should be used with 100 lbs. of Sublimed Blue Lead.

Eagle Red Lead

100 pounds Red Lead in Oil

2½ gallons Raw Linseed Oil

11/2 pints Turpentine

1½ pints Drier

On metal surfaces that may become hot, such as furnace pipes and radiators, use Fish Oil instead of Linseed.

Apply with a round brush.

Exterior Color Suggestions

All formulae shown in this chart are based on the amount of standard high grade color needed to each 100 pounds of Eagle White Lead in Oil. Before tinting be sure to read instructions on page 5. For quantities of liquids needed see pages 7-10.

DARK SAGE GREEN
6 lbs.-4 oz. Chrome Green,

1 Medium
1 lb.-o oz. Burnt Sienna

OLD IVORY

121/2 oz. Raw Sienna

LIGHT OLIVE GREEN

1 lb.-9 oz. Raw Sienna

2 lbs.-6 oz. Chrome Green, Medium

9 lbs.-6 oz. Yellow Ochre LIGHT CREAM

1 lb.-9 oz. Raw Sienna

DARK TAN

28 lbs.-2 oz. Raw Sienna 6 lbs.-4 oz. Burnt Umber

3 COLONIAL YELLOW

I lb.-4 oz. Medium Chrome Yellow

21/2 oz. Venetian Red

SHUTTER BLUE

2 lbs.-5 oz. Prussian Blue 1 lb.-9 oz. Raw Umber

PURE WHITE No Tinting Color

WARM DRAB

5 61/4 oz. Burnt Umber 61/4 oz. Medium Chrome Yellow

ASH GRAY
12½ oz. Vandyke Brown

GUN METAL GRAY
9 lbs.-6 oz. Yellow Ochre

6 3 lbs.-2 oz. Lamp Black

3 lbs.-2 oz. Raw Umber STONE GRAY

1 lb.-9 oz. Raw Umber

SHUTTER GREEN

60 lbs. Chrome Green
1 1/2 oz. Lamp Black

3 oz. Burnt Umber

DARK GRAY
1 lb.-9 oz. Raw Umber
12½ oz. Lamp Black

LIGHT BROWN

12 lbs.-8 oz. Yellow Ochre

4 lbs.-11 oz. Raw Umber 7 lbs.-13 oz. Venetian Red

7 lbs.-13 oz. Venetian Ked 12 lbs.-8 oz. Burnt Umber

LIGHT BLUE 12½ oz. Lamp Black 6½ oz. Prussian Blue

CHOCOLATE BROWN

31 lbs.-4 oz. Burnt Umber

9 1 lb.-9 oz. Venetian Red 3 lbs.-2 oz. Yellow Ochre

LIGHT TAN

1 lb.-9 oz. Burnt Umber 1 lb.-9 oz. Raw Sienna

ITALIAN VILLA PINK

4 lbs.-11 oz. Burnt Sienna 1 lb.-9 oz. Yellow Ochre

DEEP BUFF

4 lbs.-11 oz. Raw Sienna

3 lbs.-2 oz. Dark Chrome Yellow

10

Paint White or light colors



[Employ a good painter —] College Good painters use EAGLE]

Exterior Color Suggestions

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	6			Chrome	Green,
1		Mediu			
T	1	lb9 oz	. Bur	nt Sienna	1
OLD IVORY					

121/2 oz. Raw Sienna

LIGHT OLIVE GREEN

1 lb.-9 oz. Raw Sienna 2 lbs.-6 oz. Chrome Green,

Medium 9 lbs.-6 oz. Yellow Ochre

LIGHT CREAM 1 lb.-9 oz. Raw Sienna

DARK TAN

28 lbs.-2 oz. Raw Sienna 6 lbs.-4 oz. Burnt Umber

3 COLONIAL YELLOW

1 lb.-4 oz. Medium Chrome Yellow

21/2 oz. Venetian Red

SHUTTER BLUE

2 lbs.-5 oz. Prussian Blue 1 lb.-9 oz. Raw Umber

PURE WHITE No Tinting Color

WARM DRAB

6¼ oz. Burnt Umber 6¼ oz. Medium Chrome Yellow

ASH GRAY
12½ oz. Vandyke Brown

GUN METAL GRAY

9 lbs.-6 oz. Yellow Ochre
3 lbs.-2 oz. Lamp Black

O 3 lbs.-2 oz. Raw Umber

STONE GRAY
1 lb.-9 oz. Raw Umber

SHUTTER GREEN

60 lbs. Chrome Green

3 oz. Burnt Ümber
DARK GRAY

1 lb.–9 oz. Raw Umber 12½ oz. Lamp Black

LIGHT BROWN

12 lbs.-8 oz. Yellow Ochre

4 lbs.-11 oz. Raw Umber

7 lbs.-13 oz. Venetian Red 12 lbs.-8 oz. Burnt Umber

LIGHT BLUE

12½ oz. Lamp Black 6¼ oz. Prussian Blue

CHOCOLATE BROWN

31 lbs.-4 oz. Burnt Umber

9 1 lb.-9 oz. Venetian Red 3 lbs.-2 oz. Yellow Ochre

LIGHT TAN

1 lb.-9 oz. Burnt Umber 1 lb.-9 oz. Raw Sienna

ITALIAN VILLA PINK

4 lbs.-11 oz. Burnt Sienna 1 lb.-9 oz. Yellow Ochre

DEEP BUFF

4 lbs.-11 oz. Raw Sienna

3 lbs.-2 oz. Dark Chrome Yellow

10

Eagle White Lead Exterior Color Suggestions



EAGLE

See inside front cover for interior color suggestions





The EAGLE-PICHER LEAD COMPANY

134 North La Salle Street • Chicago
Producers of lead and allied products

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